		Each								
97	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications. (For 1000 Litre capacity) and directions of the Engineer in charge.									
	Terrace	Unit	1	2			Qty	2.00	22356.95	44713.90
98	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.									
		Unit	1	4				4.00		
							Qty	4.00	188.65	754.60
99	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge.									
		Each	1	4			Qty	4.00	154.00	616.00
100	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and directions of the Engineer in charge									
		Each	1	2			Qty	2.00	366.71	733.42
101	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge.20mm nominal OD pipes									
	Inside bathrooms	m	2	2	13.00		Qty	52.00	256.03	13313.56
102	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,)complete as per specifications and directions of the Engineer in charge 25mm nominal OD pipes									
	Bore well to tank	M	1	1	20.75			20.75		
			1	2	5.50			11.00		
							Qty	31.75	319.55	10145.71
103	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications and directions of the Engineer in charge.									
	Rest roms	No	1	2			Qty	2.00	1239.70	2479.40
104	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and directions of the Engineer in charge.									

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	Rest roms	No	1	2			Qty	2.00	806.58	1613.16
105	Providing wash basin brackets of approved 1st qyuality and make confirming to ISI specifications and fixing for low down cistern as directed. Rate includes cost of materials and conveyance to work spot.complete as per specifications and directions of the Engineer in charge.									
	Rest roms	No	1	2			Qty	2.00	261.80	523.60
106	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class									
	Out side of Building	No	1	2				2.00	9265.99	18531.98
107	Providing of stoneware gully trap of approved quality and make fixing in M-15 and plastering with CM 1:3 wherever necessary. (Rate includes cost of all)..complete as per specifications and directions of the Engineer in charge.10 cms x 10 cms									
		NO	Item not operated							
108	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 19/20mm dia, 2mm thick									
		M	Item not operated							
109	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 25mm dia, 2mm thick									
		Item Not operated								
110	Open Conduit System - supplying heavy gauge PVC conduit pipe dia mm thick comfirming to IS 2509 with suitable size bends, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall / stone structure or rawl plugs in case of brick walls and cement plastering the damaged portion using heavy gauge saddles at an interval of 700mm using NF screws.)complete as per specifications and directions of the Engineer in charge. 32mm dia, 2mm thickk									
	Court	Mtr	1	2	37.50			75.00		
							Qty	75.00	92.40	6930.00

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111	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. complete as per specifications and directions of the Engineer in charge. 19/20mm dia, 2mm thick									
	Bath room	Mtr	2	2	1.70			6.80		
	Bath room door side		1	2	1.20			2.40		
	Lobby		1	2	1.70			3.40		
							Qty	12.60	51.01	642.73
112	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. complete as per specifications and directions of the Engineer in charge.25mm dia, 2mm thick									
			Item not operated							
		Rmt								
113	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary. complete as per specifications and directions of the Engineer in charge. 32mm dia, 2mm thick									
		Rmt								
114	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.Short point upto 3m .complete as per specifications and directions of the Engineer in charge									
	Bath rooms	NO	2	5				10.00		
	Lobby		1	5				5.00		
							Qty	15.00	202.13	3031.95
115	Point wiring using copper wire without switch (Class A material). Supplying and wiring adopting loop system in existing PVC conduit/casing capping using 2X1.5Sqmm(phase &Netural) &1X1.0 Sqmm (Earth Wire) FRLSmultistrand PVC insulated ,2x1.5sqmm copper confirming to the GTP With a 6Amps flusg type SP control switch shall be fixed on the existing plastic sheet / gand box .the other end of the wire shall be terminated with sufficient loose length in a wood/PVC round block, complete for each outlet.Medium point above 3m - 6m .complete as per specifications and directions of									
	Court	No	1	75			Qty	75	277.20	20790.00
116	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary .25mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.									

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		M	1	15	4.00		Qty	60.00	52.94	3176.40
117	Concealed Conduit System - Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, abhesive paste ets, and running befour concreting and slab. The conduit should de tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire whereever necessary .32mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.									
		Point								
118	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.19/20mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.									
		Mtr								
119	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary.25mm dia, 2mm thick. complete as per specifications and directions of the Engineer in charge.									
		Mtr	1	15				15.00	52.94	794.10
120	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall .1 - 3 Way.complete as per specifications and directions of the Engineer in charge.									
	Bath room	No	2	2				4.00		
	Lobby		1	2				2.00		
							Qty	6.00	96.25	577.50
121	Supplying and flush modular poweder coated / galvanized metal box suitable for mounting modular switch plates. the box should be firmil flush mounted after due groove cutting in brick /stone/C.C wall .4 - 5 Way.complete as per specifications and directions of the Engineer in charge.									
			Item not operated							
		Each								
122	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654.6AMP 3/5 and Switch.complete as per specifications and directions of the Engineer in charge.									
	Bath room	Each	1	4				4.00		
	Lobby		1	2				2.00		
							Qty	6.00	132.83	796.98
123	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.16Amps Combined switch and socket with indication.complete as per specifications and directions of the Engineer in charge.									

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		Each	Item Not operated							
124	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854.Electronic stepped regulator..complete as per specifications and directions of the Engineer in charge.									
		No	Item Not operated							
125	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.2 5sqmm. complete as per specifications and directions of the Engineer in charge.									
		Mtr	3	3	100.00		Qty	900.00	31.76	28584.00
126	Wiring for lighting/power circuit using Grade using one of FRLS PVC insulated 1100 volts grade, multistrand copper with low conductor resistance single core wire in open or concealed system of wiring. With specified IS-694: confirming to Latest amendements.4sqmm. complete as per specifications and directions of the Engineer in charge.									
		Mtr	2	6	40.00		Qty	480.00	45.24	21715.20
127	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and directions of the Engineer in charge.									
		No	1	4			Qty	4.00	86.63	346.52
128	Supplying and fixing of regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provision for fixing suitable type capacity MCB'S single phase/ 3 phase / single door with powder coated painting made out of SWG MS enclosute.12 way SP & N.complete as per specifications and directions of the Engineer in charge.									
		Nos	1	1			Qty	1.00	1222.38	1222.38
129	Supply and fixing miniature circuit breakers on the existing MCB distribution boards using necessary fixing meterials and "C" type curve, Indiator ON/OFF energy cross -3 with as required confirming to IEC 60898.6-32 AMPS DP.complete as per specifications and directions of the Engineer in charge.									
		Each	1	1	15.00		Qty	15.00	919.19	13787.85
130	Supplying, fixing and wiring earth electrode for grounding conduits , I.C. cutouts and others equipments on the meter board using 40mm dia 2.90mm long buried in a pit.. the pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit ect, is to be established through GI wire of size as ISI specification 7.3.3 of IS 732 using 12mm dia bolt, nut, washers and check nuts ect... the pipe shall have 16 through holes of 122mm dia, ..complete as per specifications and directions of the Engineer in charge.									
		M	1	1	4.00		Qty	4.00	3031.88	12127.52
		Each								

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131	Supplying and running of GI/ copper strips for grounding connections, using necessary fixing materials as required.25 x 3mm G.I strip.complete as per specifications and directions of the Engineer in charge.									
		Rm	1	4	20.00		Qty	80.00	75.08	6006.40
132	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting.complete as per specifications and directions of the Engineer in charge.									
		Each	1	32			Qty	32.00	303.19	9702.08
133	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system .complete as per specifications and directions of the Engineer in charge.48" sweep (1200mm)									
		Nos	1	2			Qty	2.00	2112.69	4225.38
134	Supply Exhaust fan if 1440 RPM of (12") size with dracket blades complete for light duty suitable to -oerate on 230V 50Hz, supply complete as per specifications and directions of the Engineer in charge									
		Each	1	4			Qty	4.00	1212.75	4851.00
135	Fabricating supplying and mounting MS box made out ...SWG suitable for floor I wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 2 coats of red oxide primer paint and finally finished with approved colour enameled metal paint etc., complete . 14SWG									
		Sq.cms	1	1			Qty	1.00	25265.63	25265.63
136	Supplying .....amps rated 3phase with neutral bus bar using required capacity electrolytic aluminum strips covered with heat shrinkable coloured PVC sleeve, mounted on phenoliciFRP/DMC insulator which are mounted on powder coated 40x6mm M.S.flat frame work in existing panel board. The bus bar shall have suitable holes for termination of incoming and outgoing cables as per IS specification with necessary bolts, nuts and washers etc., complete. 1000Amps 4x75x10mm Alluminium Strips. complete as per specifications and directions of the Engineer in charge									
		Each	1	2			Qty	2.00	4882.69	9765.38
137	Supplying and fixing angle iron frame work iabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint. 75x75x6mm.complete as per specifications and directions of the Engineer in charge									
		No	1	4			Qty	4.00	481.25	1925.00

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	Supplying and fixing angle iron frame work iabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc.,and painted with 2 coats of red oxide and then two coats of approved paint. 75x150x50x6mm C channel.complete as per specifications and directions of the Engineer in charge									
		No	1	4			Qty	4.00	654.50	2618.00
139	Supplying and Fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete, protection of Overload and Short circuit with thermal Magnetic/Microprocessed release and Earth Fault as p. · IS-13947.63/100Amps 25kA.complete as per specifications and directions of the Engineer in charge									
		No	1	1			Qty	1.00	5871.25	5871.25
140	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' cure, indicator ON/OFF, energy cross-3 with Short circuit breaking cappacity of 10K and complete wiring as required. Confirming to IEC 60898. 40-63Amps TPN.complete as per specifications and directions of the Engineer in charge									
		Each	1	16			Qty	16.00	1956.76	31308.16
141	Supplying and fixing Trivector meter suitable for operation LT operation and CT operated meter in polycarbonate body in class 0.5accuracy as per IS 14697 and completely wired.complete as per specifications and directions of the Engineer in charge									
		Each	1	1			Qty	1.00	3818.24	3818.24
142	Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C. 50 Hz 12/24v D.C.complete as per specifications and directions of the Engineer in charge									
		Each	1	1			Qty	1.00	447.56	447.56
143	Supplying, fixing and wiring 50/5 to 1000/5Amps 5VA burden Current Transformer. Class 0.5 accuracy with Tape Wound .complete as per specifications and directions of the Engineer in charge									
		Each	1	1			Qty	1.00	727.65	727.65
144	Dismantling of barbed wire fencing / wire mesh fencing including posts, foundation concrete, back filling of pit by manual means including disposal of dismantled material with all lifts and stacking serviceable material and unserviceable material separately complete as per specifications. MORTH Specification No. 202.complete as per specifications and directions of the Engineer in charge									
		Each	Item Not operated							

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145	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. II. By Mechanical Means. A. Cement Concrete Grade M-15 &M-20. MORTH Specification No. 20.complete as per specifications and directions of the Engineer in charge				
		m	Item Not operated		
146	Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications and directions of the Engineer in charge.				
		Cum	Item Not operated		
147	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications and directions of the Engineer in charge.				
		Cum	Item Not operated		
148	Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications and directions of the Engineer in charge.				
		Cum	Item Not operated		
149	Providing two line dressing to granite stone slab / granite stone masonry as per specifications and directions of the Engineer in charge.				
		Cum	Item Not operated		
150	Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications and directions of the Engineer in charge.				
		Sqm	Item Not operated		
151	Construction of embankment with approved material Gravel /Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300-2 complete as per specifications, including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density. MORTH Specification No. 305. complete as per specifications and directions of the Engineer in charge.				
			Item Not operated		

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152	Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms (Data approved rate)										
			Item Not operated								
153	Supplying of dustbin for collection of dry and wet waste for segregation, (Fiber dustbin Modern Type 3.0-3.75 Ft) inclusive of all taxes and transportation charges as per the direction of Engineer in Charge (Data approved rate)										
		Each	1	2				2.00	18191.25	36382.50	
154	Providing and laying of Filter media with granular materials /stone crushed aggregates satisfying the requirements laid down in clause 2504.2.2. of MORTH specifications to a thickness of not less than 600 mm with smaller size towards the soil and bigger size towards the wall and provided over the entire surface behind abutment, wing wall and return wall to the full height compacted to a firm condition complete as per drawing and Technical Specification including cost of materials, labour, HOM complete as per specifications and directions of the Engineer in charge.										
			Item Not operated								
155	Providing and constucting pithcing / Revetment of 30 cm thick on slopes using granite/basalt/trap/stones of surface area not less than 0.04 sqm and wedged with spalls including cost of all materials, labour, HOM etc., complete as per specification and directions of the Engineer in charge.										
			Item Not operated								
	EiRL ITEMS										
EIRL-1	KSRB15-3:Providing 20mm thick cement plaster in single coat with cement mortar, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering ,including providing and removing scaffolding ,cost of materials ,labour,curing etc complete as per specificatio.KSRB15-3.12 do-cement mortar 1:6										
		Sqm									
	Kuvempu park		1	2	30.45		0.45	27.41			
	From gate to south side		1	2	30.00		0.45	27.00			
			1	2	8.00		0.45	7.20			
			1	2	30.45		0.45	27.41			
	From North to south		1	2	19.30		0.45	17.37			
			1	2	2.75		0.45	2.48			
	Gate to park		1	2	8.30		0.45	7.47			
	East to west		1	2	11.80		0.45	10.62			
			1	2	12.50		0.45	11.25			
			1	2	11.60		0.45	10.44			
			1	2	12.00		0.45	10.80			
			1	2	23.80		0.45	21.42			
			1	2	4.25		0.45	3.83			
			1	2	4.50		0.45	4.05			
	Gate to Park		1	2	11.30		0.45	10.17			
			1	2	17.40		0.45	15.66			
	West side		1	2	2.75		0.45	2.48			
	South to north		1	2	30.00		0.45	27.00			
			1	2	4.50		0.45	4.05			
			1	2	17.90		0.45	16.11			
			1	2	18.10		0.45	16.29			
	South to North		1	2	12.90		0.45	11.61			

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			1	2	12.00		0.45	10.80		
			1	2	12.50		0.45	11.25		
			1	2	11.90		0.45	10.71		
			1	2	12.00		0.45	10.80		
			1	2	12.40		0.45	11.16		
			1	2	12.45		0.45	11.21		
	Opp to mother dairy Main Road									
	Main road		1	2	15.10		0.45	13.59		
			1	2	11.60		0.45	10.44		
			1	2	12.75		0.45	11.48		
			1	2	12.50		0.45	11.25		
			1	2	24.10		0.45	21.69		
			1	2	12.30		0.45	11.07		
			1	2	12.50		0.45	11.25		
			1	2	12.45		0.45	11.21		
			1	2	12.25		0.45	11.03		
			1	2	10.35		0.45	9.32		
			1	2	10.35		0.45	9.32		
			1	2	12.50		0.45	11.25		
			1	2	20.20		0.45	18.18		
	After road									
			1	2	22.30		0.45	20.07		
			1	2	11.70		0.45	10.53		
			1	2	11.90		0.45	10.71		
			1	2	27.60		0.45	24.84		
			1	2	1.30		0.45	1.17		
			1	2	0.90		0.45	0.81		
			1	2	4.20		0.45	3.78		
			1	2	30.00		0.45	27.00		
			1	2	4.70		0.45	4.23		
							Qty	622.22	277.06	172390.89
EIRL-2	Earthwork excavation in all soil deposits and filling sides of foundatiaon upto plinth in layers not exceeding 20cms ,in depth compacting each deposits layer by ramming after watering with all lead and lift including cost of all labour complete as per specification									
	East side	Cum	1.00	1	30.00	3.00	0.60	54.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	8.00	3.00	0.60	14.40		
			1.00	1	7.80	3.00	0.60	14.04		
			1.00					0.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	12.50	3.00	0.60	22.50		
	East to south side									
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	10.60	3.00	0.60	19.08		
			1.00	1	8.90	3.00	0.60	16.02		
			1.00	1	15.60	3.00	0.60	28.08		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	15.00	3.00	0.60	27.00		
			1.00	1	9.00	3.00	0.60	16.20		
	West side		1.00	1	2.56	3.00	0.60	4.61		

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	outh to north									
			1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	15.00	3.00	0.6	27.00		
	West to East		1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	8.15	3.00	0.6	14.67		
			1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	15.00	3.00	0.6	27.00		
	Entrance of Gate		1	1.00	15.00	3.00	0.6	27.00		
			1	1.00	16.60	3.00	0.6	29.88		
			1	1.00	2.90	3.00	0.6	5.22		
							Qty	751.70	439.59	330438.92
EIRL-3	Fabricating, providing and erecting in poiston of M.S. Ornamental security Grill Gate without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at.the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for square bars of full height and at 8cms C / C for bottom rods providing ornamental C I Designers at the bottom and CI arrows in the midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with necesary drilling holes, the work includes providing two coats of enamel painting over one coatr of red lead ready mix primer coat									
		Kg								
	Alround Steel for Kuvempu park		1	1.00	400.00	0.20		80.00		
		24kg for Sqm					Qty	1920.00	142.56	273715.20
EIRL-4	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification									
		Cum	1	1	37.6	20.1	0.38	287.1888		
							Qty	**287.1888**	2059.43	591445.35
EIRL-5	~~KSRB 7.14~~ . Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/m. and double grovesection 2.683 kg/m and bottom 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick prelaminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of									
	Bath room	Sqm	2	3	1.9		**2.4**	**27.36**		
			1	2	2.1		**2.4**	**10.08**		

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Deduction		2	2	0.9			37.44		
						2.1	7.56		
						Qty	29.88	5142.03	153643.49

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EIRL-6	KSRB 7.17 : Providing, fabricating, assembling and fixing in positionaluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm,section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mmthickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazingclips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m;aluminium sections cut to length joint metred corners grinded, theshutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and									
	Doors	Sqm	2	2	0.9		2.1	7.56		
			1	1	1.75		2.05	3.5875		
							Qty	11.1475	6784.78	75633.29
EIRL-8	Providing and fixing Turbo Exhuast fan at the height of 11m making holes for fixing in roof sheets including all fixtures and labour charges and ceilen									
			1	8			Qty	8	12000.00	96000.00
EIRL-9	Providing and Fixing LED LIGHTS Of length 0.9m including nets and bolts fixed over Exsiting pipe inclusive of labour charges etc									
		No	1	55			Qty	55	7000.00	385000.00
EIRL-10	Supplying and fixing Net pole total weight 200KG Material used :Carborudum poles guage 14gauge ,Top wheel type metal,Paint type EpoxyPainting Movable type Portable on wheels Height 5.1Ft Tappered box with Yonex Standard Net as per specification etc complete includiing transporation installation at site									
		No	1	4			Qty	4	32000.00	128000.00
EIRL-11	Providing and fixing windows blinds including top aluminium chanel with bearing 4inches fabric stripes with handling rod gear and total operating systems .The price inclusive of GST Transportion and installation complete as per the Direction in charge									
	Out side	Sqm	1	2	1.4		1.4	3.92		
	Court		1	3	1.6		1.4	6.72		
			1	2	20.1		0.9	36.18		
							Qty	46.82	1530.15	71641.62
EIRL-12	Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications									
	Technical Sanction		1	2	1.4		1.2	3.36		
	Accorded for Rs 92271279.40						Qty	3.36	6567.71	22067.49
	Head of A/C P.3748							Total		82385070.97
	CER NO : 09 Dt: 16.05.2022							GST		9886208.52
								Grand total		92271279.49

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BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: 1) PROVIDING GRILL FENCING TO SELECTED PARKS IN WARD NO.02, 03 & 04 OF YELAHANKA DIVISION. 2) PROVIDING CHILDREN PLAYING EQUIPMENTS AND GYM EQUIPMENTS IN WARD NO. 02, 03 & 04 OF YELAHANKA DIVISION.

Sl.	Particulars	Unit	No	L	B	D	Qty	Remarks
60	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, complete as per specifications and directions of the Engineer in charge.							

		kg	Numbers		L	W	Thick	Total	Weight/m	otal weight
	Gusset plates									
	Base plate									
	Base plate 450mmx900									
	20mm Base plate	2	16	0.405			20	12.96	157	2034.72
	16mm	2	16	0.09			16	2.88	125.8	362.1888
	Least 12mm.	4	16	0.02			12	1.28	98.52	120.7296
	top Gusset 16mm	2	16	0.18			16	5.76	125.8	724.3776
		4	16	0.18			8	11.52	62.88	724.3776
	J Bolts									
	25mm	17	16	1.2				230.4	4	921.6
	Nuts	Lumsum								301
	ISMB 400	2	8	9				144	61.6	8870.4
	TRUSS PIPES									
	172mm diax5mm Thick									
	Bottom	1	8	22.6				180.8	29.54	5308.672
	Top	1	8	22.64				181.4	29.54	5323.456
	Dig(Vertical)	1	8	2				16	29.54	469.44
	Gable	1	4	6				24	29.54	704.16
		1	2	6.3				12.6	29.54	369.684
	Truss jointing Plates	10	8						6.3	504
		2	12						6.3	151.2
	Purlins									
	122mmx61x	2	5	37				370	13.3	4921
		2	6	22.63				271.6	13.3	3613.348
		2	2	6.5				26	13.3	345.8
		1	2	7.08				14.16	13.3	188.328
		2	11	37				814	13.3	10826.2
		10	16	0.23				36.8	13.3	489.44
	ISA 75MMX75									
		5	16						6.3	504
	ISL 65mmx65mm	5	32						4.91	784
	For lap	8	5						4.91	40
		2	12						4.91	24

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	Pipe close sheet	2	8	0.083			1.321	78.6	103.8275		
	40mm dia pipes										
	Vertical	2	8	1.68			26.88	4.38	117.7344		
		2	8	1.6			25.6	4.38	112.128		
		2	8	1.524			24.38	4.38	106.8019		
		2	8	1.22			19.52	4.38	85.4976		
		2	8	0.92			14.72	4.38	64.4736		
		2	8	0.84			13.44	4.38	58.8672		
		2	8	0.6			9.6	4.38	42.048		
		2	8	0.45			7.2	4.38	31.536		
		2	8	0.15			2.4	4.38	10.512		
	Diagonal	2	8	2.3			36.8	4.38	161.184		
		2	8	2.15			34.4	4.38	150.672		
		2	8	2			32	4.38	140.16		
		2	8	1.85			29.6	4.38	129.648		
		2	8	1.7			27.2	4.38	119.136		
		2	8	1.55			24.8	4.38	108.624		
		2	8	1.4			22.4	4.38	98.112		
		2	8	1.3			20.8	4.38	91.104		
		2	8	1.15			18.4	4.38	80.592		
	bench										
	Sitting side		8	6	3.70	177.60					
	Resting		8	5	3.70	148.00					
	Front support		8	3	0.48	11.52					
	Rear		8	2	1.05	16.80					
			8	1	0.98	7.84					
	Holding		8	4	0.48	15.36					
	Sloping rest hand rail		8	2	0.74	11.84					
						388.96	7.80		3033.888		
									53256.06	120.31	6407237

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BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK : Package No-11 1.Providing Children playing equipments and gym equipments at Allalasandra Lake in ward No.04 of Yelahanka Division 2.Providing Children playing equipments and gym equipments in ward No.02,03 and 04 Yelahanka Division 3.Providing Grill Fencing to Selected parks in Ward No.02, 03 & 04 of Yelahanka Division 4.Providing Grill Fencing and Construction of Badminton court at Allalasandra Lake in Ward No.04 of Yelahanka Division 5.Providing Grill Fencing at Someshwara Hill lake in Ward No.03 of Yelahanka Division

Rate analysis

SL	Descrption	Unit	No	L	B	D	Qty	Rate in Rs	Remarks
EIRL-1	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406								
	Basic Rates	1888							
	Weightage 8%	151.04							
	Total	2039.04							
	TP 1%	20.3904							
	Total	2059.43						2059.4304	Rs/Cum
EIRL-2	KSRB 7.14 : Providing, fabricating, assembling and fixing in position aluminium partitions using sections in combination of plain, single grove and double grove as per requirements for the frames of overall size 101.6mm x 44.45mm, 3.18mm.thick having section weight, plain sections 2.40kg/m single grove section 2.541kg/m. and double grovesection 2.683 kg/m and bottom 46 kg/m; aluminium louvres of size 77.6mmx27.6mm 1.7mm. thick section weight 0.483kg/m; bottom portions provided with 12mm. thick prelaminated sheet both side of approved colour lamination exterior grade; aluminium sections of mat finish or glossy finish using section, spacing of vertical member shall not exceed 0.6 m. c to c; sections are cut to the required lengths, joints mitered and corners grinded subdividing frames tennoned and rivetted to the frames, the assembled frame should be stiffened with corner angles stripped and fixed with screws, rawl plugs and teak wood gutties to R.C.C.columns or masonry on sides, R.C.C. lintels or beams at top and floor at bottom, including cutting chistling and making good with cement mortar to match the surface, providing and fixing bottom panel filled with the materials to a height of 0.9m. from floor level; and 5.5mm. thick plain glass for middle portion viz., 0.9m. to 2.13 m. and top panel with lower sections, the glass and panels fitted with glazing clips of 19mmx17.3mm. with thickness of 0.9mm. weight 0.124kg/m; aluminium sections pre-treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherence of mortars or any other sticky materials; vertical members embedded in the flooring by making suitable size holes and fixing with cement mortar, with necessary opening for fixing of doors of standard size (excluding cost of door opening) All the frame should be throughly cleaned free from rust, scale or dirt including cost of materials, fixtures, labour and HOM of machinery complete as per specifications.								
	Basic Rates	4714							
	Weightage 8%	377.12							
	Total	5091.12							
	TP 1%	50.9112							
	Total	5142.03						5142.0312	Rs/Cum

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EIRL-3	KSRB 7.17 : Providing, fabricating, assembling and fixing in positionaluminium doors using following aluminium mat finish or glossy finish, outer frame plain section 101.6x44.45mm thickness 3.18mm,section weight 2.404 kg/m, door shutters vertical section 44.62x44.45mmthickness 3.18mm, section weight 1.505kg/m, top section 47.62x44.45mm thickness 3.00mm, section weight 1.426kg/m bottom section 114.3x44.45 thickness 3.18mm, section weight 2.646kg/m, door central section49.91x44.45mm thickness 3.00mm, section weight 1.495 kg/m glazingclips 19x17.3x11mm thickness 0.9mm section weight 0.124kg/m;aluminium sections cut to length joint metred corners grinded, theshutters pivoted opening arrangement with heavy duty aluminium alloy automatic door closures floor mounted, providing and fixing standard approved accessories, such as aluminium handle for full width or length, tower bolts, lock, pivots: P.V.C. or rubber gasket with 5.5m. thick plain glass for top and bottom panel; aluminium sections treated for removal of any rust and prevention of further rust formation, and coated with greasy materials for non-adherance of mortars or any other sticky materials; the assembled frame fitted with the corner angles, strips and fitted with screws, rawl plugs or teakwood gutties to R.C.C. columns or masonry on sides. beams and flooring in bottom. including cutting, chistling and making good with cement mortar to match the surface; all the frames throughly cleaned free from rust, scale, or dirt including cost of materials, fixtures, labour and HOM complete as per specifications -do- using aluminium section powdered coated to a minimum of 60-70 microns with exierior durable pure polyester grade powder ofapproved quality								
	Basic Rates	6220							
	Weightage 8%	497.6							
	Total	6717.6							
	TP 1%	67.176							
	Total	6784.78						6784.776	Rs/Cum
EIRL-4	Turbo Fans	No						12000.00	Rs/Each
	Qutation Rates								
EIRL-5	Lights	No						7000.00	Rs/Each
	Qutation Rates								
EIRL-6	Net poles	No						32000.00	Rs/Each
	Qutation Rates								
EIRL-7	Providing and fixing windows blinds including top aluminium chanel with bearing 4inches fabric stripes with handling rod gear and total operating systems .The price inclusive of GST Transportion and installation complete as per the Direction in charge								
	Rates	1515							
	TP 1%	15.15						1530.15	Rs/Sqm
		1530.15							
EIRL-8	Providing and fixing Stainless steel 304 grade for staircase railings, balconies, ramps with hand rail, 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications								
	Basic Rates	6021							
	Weightage 8%	481.68							
	Total	6502.68							
	TP 1%	65.0268						6567.7068	Rs/Sqm
	Total	6567.71							

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